

CONNECTION	ALL BEI NEMA23 AND NEMA34 MOTORS, (PIN, COLOR, GAUGE)	AIR CORE LINEAR MOTORS WITH 16PIN MOLEX	AIR CORE LINEAR MOTORS WITH 12PIN MOLEX	ALL DDT ROTARY STAGES, SERVO, SPM	RENISHAW LINEAR ENCODERS
GND, CASE	1 CLR 16GA	1 GRN+SHLD 18GA	1 GRN+SHLD 18GA	1 GRN 18GA	OUTER SHLD
MTR PHASE A	9 WHT/BLK 16GA	9 WHT+YEL 18GA	7 WHT+YEL 18GA	7 RED 20GA	
MTR PHASE B	10 WHT/RED 16GA	10 BRN+BLK 18GA	2 BRN+BLK 18GA	2 WHT 20GA	
MTR PHASE C	11 WHT 16GA	11 BLU+RED 18GA	8 BLU+RED 18GA	8 BLK 20GA	
GND, LOGIC	7 BLK 24GA	7 BLK+SHLD 24GA	4 BLK+SHLD 24GA	4 GRN 28GA	INNER SHLD
HALL A	5 GRY/WHT 24GA	4 BLU 24GA	6 BLU 24GA	6 BRN 28GA	
HALL B	4 GRN/WHT 24GA	3 WHT 24GA	11 WHT 24GA	11 ORN 28GA	
HALL C	3 GRN 24GA	5 GRN 24GA	12 GRN 24GA	12 YEL 28GA	
ENC PWR + 5VDC	12	12 BRN 30GA		7, 8	7 BRN 30GA
ENC PWR RTN	7	7 WHT 30GA		1, 2	2 WHT 30GA
ENC A	15 BLU 24GA	15 GRN 30GA		6	14 GRN 30GA
ENC A-	8 BLU/WHT 24GA	8 YEL 30 GA		5 SPM only	6 YEL 30 GA
ENC B	14 ORN 24GA	14 BLU 30GA		10	13 BLU 30GA
ENC B-	16 ORN/WHT 24 GA	16 RED 30GA		9	5 RED 30GA
ENC INDEX	13 BRN 24GA	13 VIO 30GA		4	12 VIO 30GA
ENC INDEX-				3	4 GRY 30 GA
ENC POS LIM					10 PNK 30GA
ENC NEG LIM					11 BLK 30 GA
CONNECTOR	MOLEX MINI-FIT 16 POS FEM	MOLEX MINI-FIT 16 POS FEM	MOLEX MINI-FIT 12 POS MALE	MOLEX MINI-FIT 12 POS MALE	15PIN D-SUB MALE (PINS)
MATING CONNECTOR	MOLEX 39-01-2161 BEI#102193-001	MOLEX 39-01-2161 BEI#102193-001	MOLEX 39-01-2120 BEI#100617-001	MOLEX 39-01-2120 BEI#100617-001	AMP 205205-1 BEI#100300-001
MATING CRIMP 18-24 GA	39-00-0041 BEI#100215-001	39-00-0041 BEI#100215-001	39-00-0039 BEI#100590-003	39-00-0039 BEI#100590-003	
MATING CRIMP, 22-28 GA	39-00-0049 BEI#100213-001	39-00-0049 BEI#100213-001	39-00-0047 BEI#100220-001	39-00-0047 BEI#100220-001	
MATING CRIMP, 20-24 GA					AMP 1-66504-0 BEI#100262-001